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Optical Solutions for Spectroscopic Water Analysis

Thursday, May 19, 2022 1:00 PM - 2:00 PM EDT

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Presented by

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.: About This Webinar

Light can be used to understand, study, and spectroscopically characterize the many components that may exist in water. Stephanie Butron and Eric Mesa of Hamamatsu Corp. discuss the various markets that benefit from such measurement, the photonic tools currently available to perform such measurement, and how users can select tools for specific applications.

After discussing different optical sensors and light sources for water analysis, Butron and Mesa demonstrate how to set up and perform a typical measurement using one of Hamamatsu Photonics' many spectrometers and one of the company's most popular xenon flash lamp modules. This demonstration includes key pointers to keep in mind when selecting corresponding accessories, as well as solutions to common roadblocks faced when pairing a spectrometer and a flash lamp module. To close, Butron and Mesa share future directions of markets that use spectroscopic water analysis, and up-and-coming spectrometer technology from Hamamatsu Photonics KK.

Who should attend:

Researchers and engineers working with or interested in spectroscopic water analysis. Those working in test and measurement within the agriculture, medical, and consumer industries. Manufacturers whose technology may include detectors and sensors, LEDs, chemicals, and spectroscopy.

About the presenters:

Stephanie Butron is an applications engineer at Hamamatsu Corp. specializing in a broad lineup of spectrometers and spectrum sensors — from minispectrometers to MEMS-based interferometer spectrometers. Her work with customers touches upon a variety of markets, including colorimetry, food and agriculture, mini-HPLC, point of care, and water analysis. She received her Bachelor of Science degree in chemical engineering from Manhattan College in 2018.

Eric Mesa is a marketing engineer for Hamamatsu Corp. based in Bridgewater, N.J. His area of focus is light-emitting devices, covering a wide range of technologies and applications in medical, industrial, and academic research. He received a Bachelor of Science degree in electrical and computer engineering from Rutgers University in 2015 and has been part of the Hamamatsu family since September 2017.

About Hamamatsu Corp.:

Hamamatsu Corp. is the North American subsidiary of Hamamatsu Photonics KK in Japan, a leading manufacturer of devices for the generation and measurement of infrared, visible, UV light, and x-rays. These devices include silicon photomultipliers, photodiodes, photomultiplier tubes, image sensors, cameras, and light sources. Hamamatsu Photonics also offers specialized systems for select applications.



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